

1 / 30

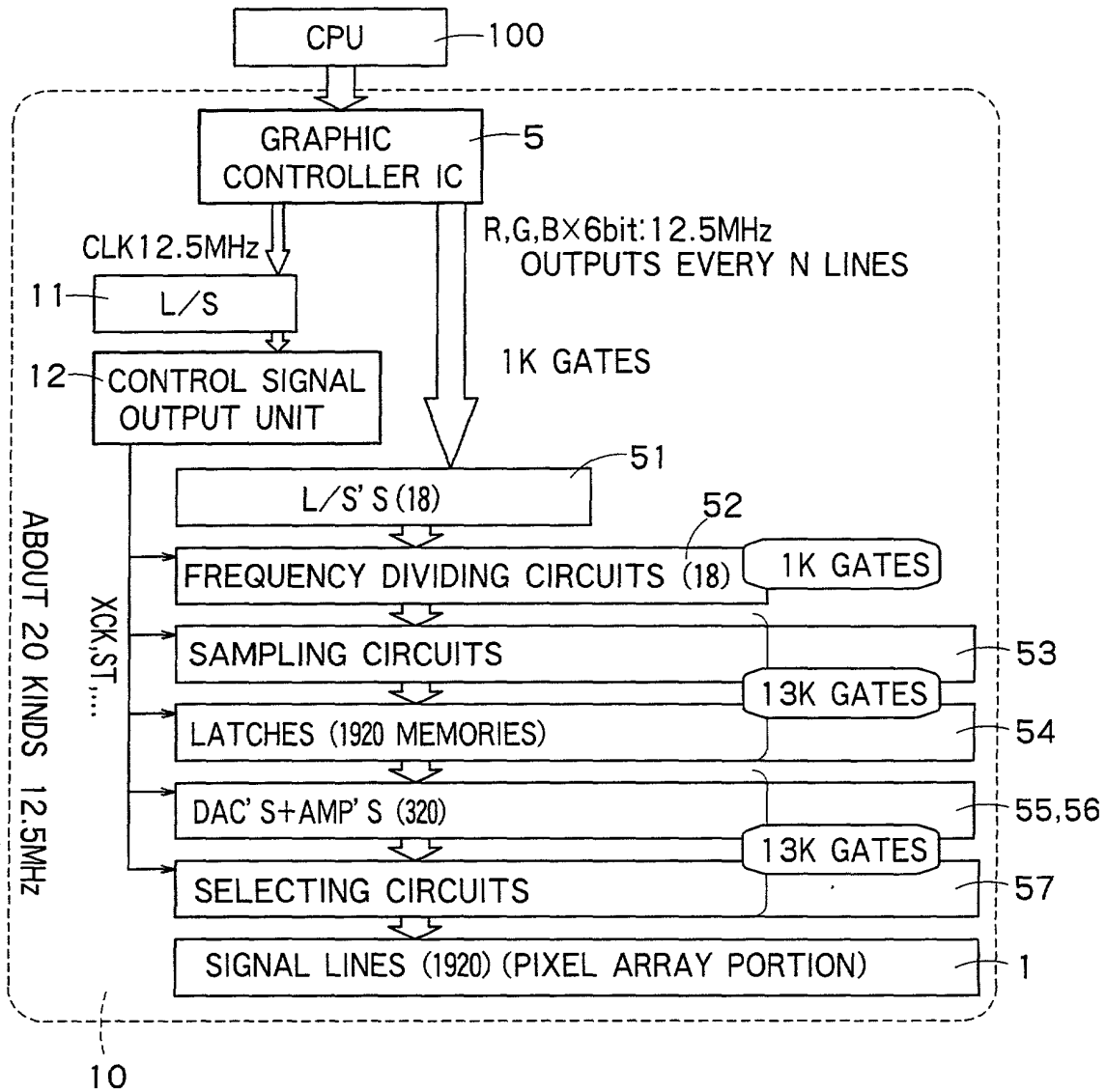


FIG. 1

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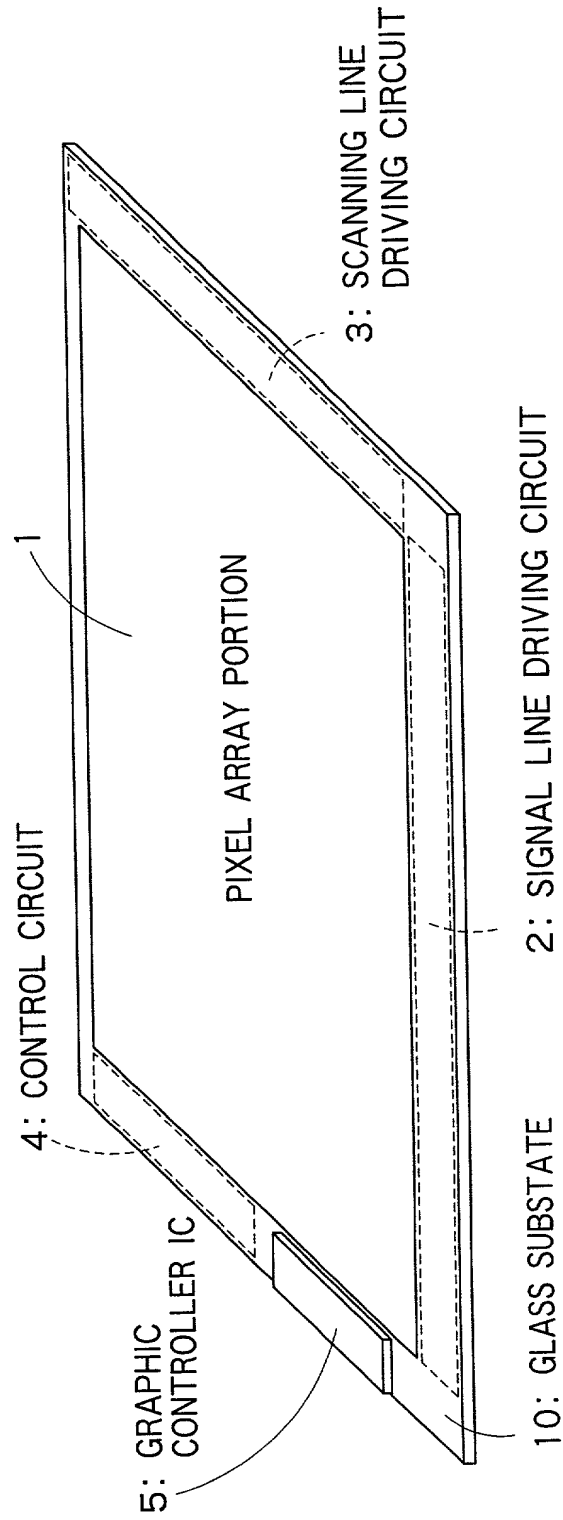


FIG. 2

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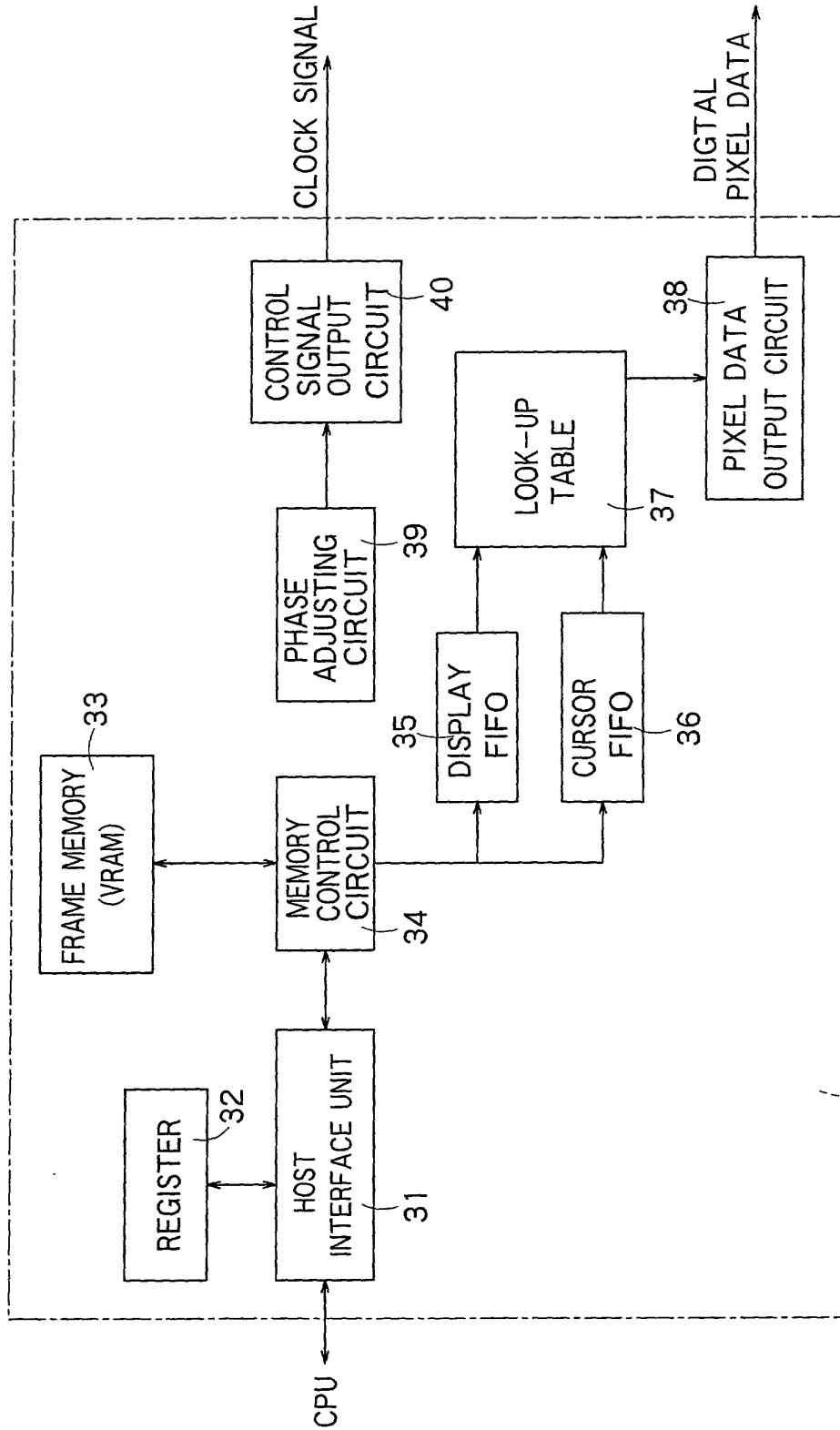


FIG. 3

5: GRAPHIC CONTROLLER IC

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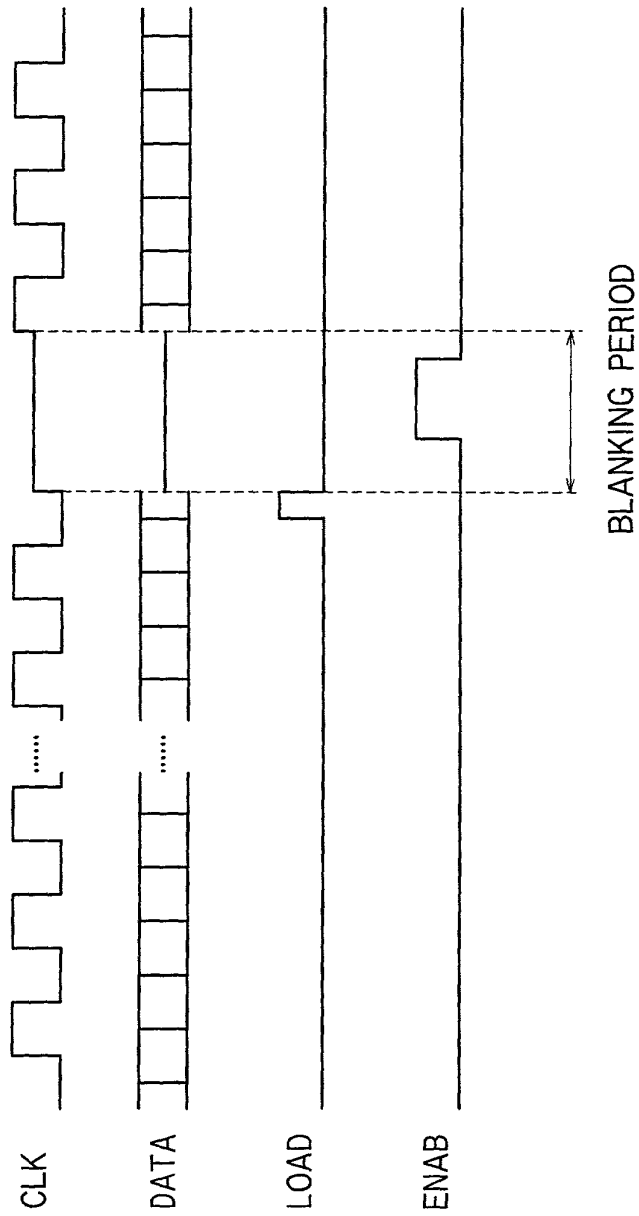
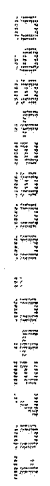
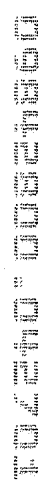


FIG. 4



1. The first step is to identify the problem. This involves understanding the current situation and what needs to be changed.



1. The first step is to identify the problem. This involves understanding the current situation and what needs to be changed.

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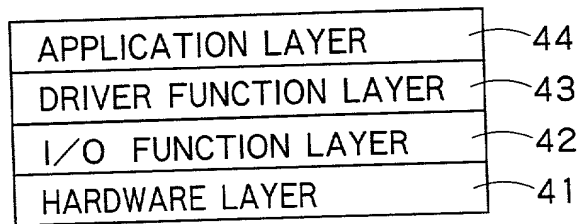


FIG. 7

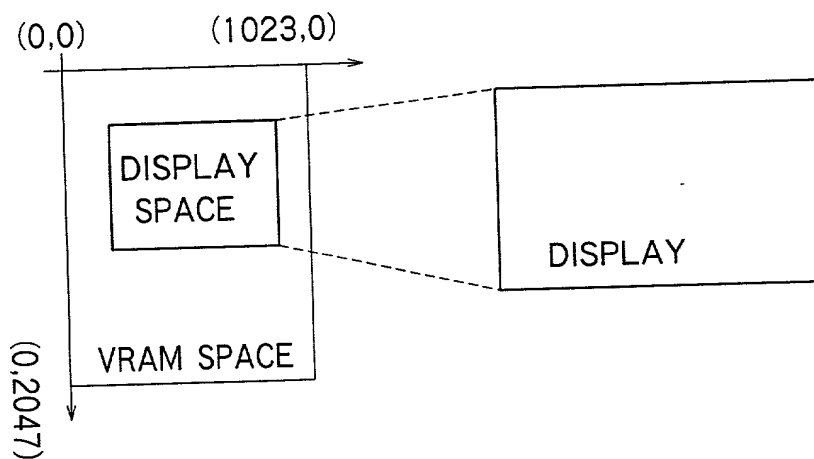


FIG. 8

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2: SIGNAL LINE DRIVING CIRCUIT

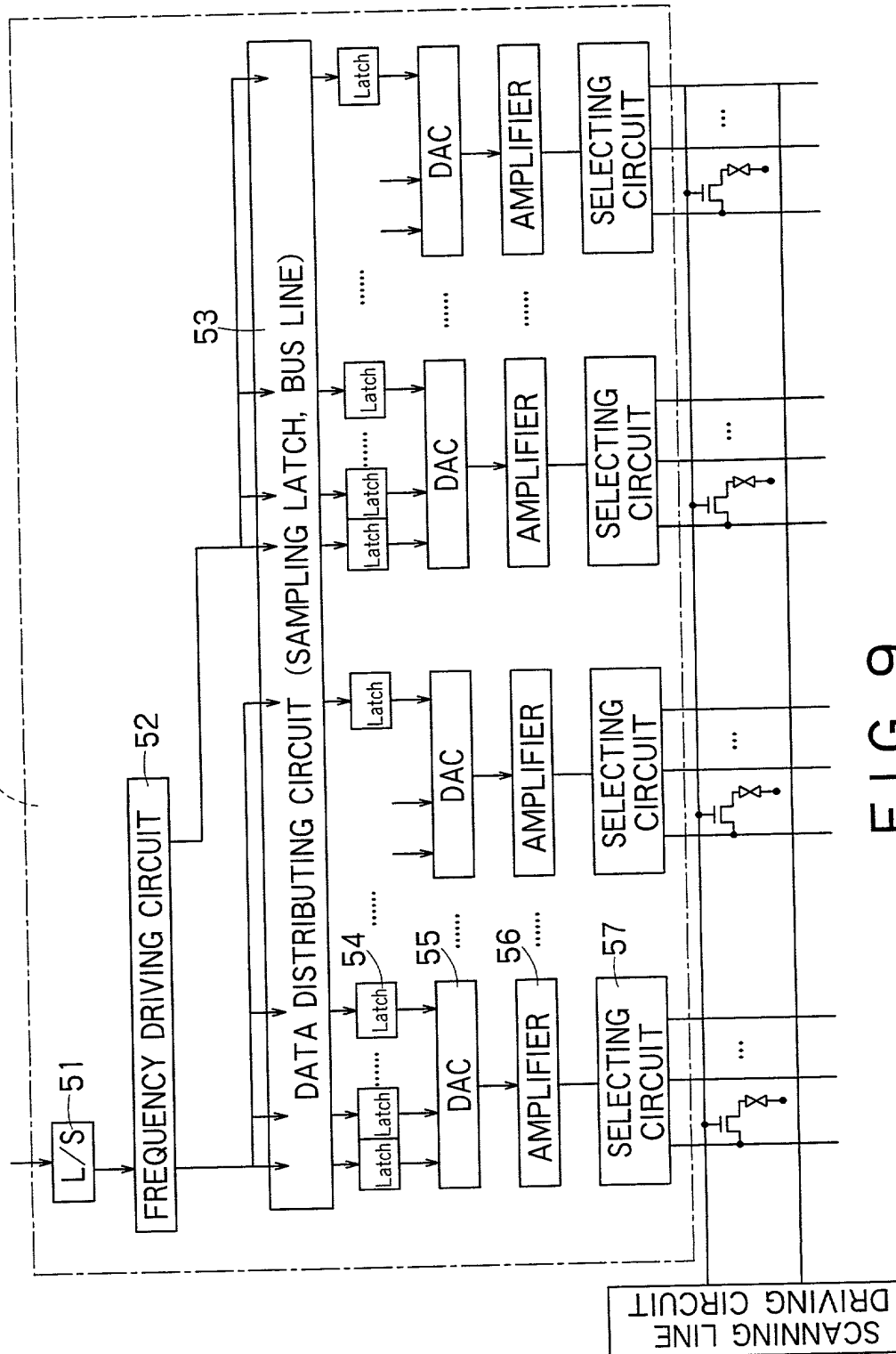


FIG. 9

Figure 1 is a graph showing the output voltage (OUT) and current (a, b) versus time (nsec). The graph is divided into two regions: ASW:ON (0 to 300 nsec) and ASW:OFF (300 to 600 nsec). The output voltage (OUT) is shown as a solid line, and the current (a, b) is shown as dashed lines. The output voltage (OUT) is approximately 2.5V during ASW:ON and oscillates between 0.5V and 5.5V during ASW:OFF. The current (a, b) is approximately 2.5V during ASW:ON and oscillates between 0.5V and 5.5V during ASW:OFF.

FIG. 12

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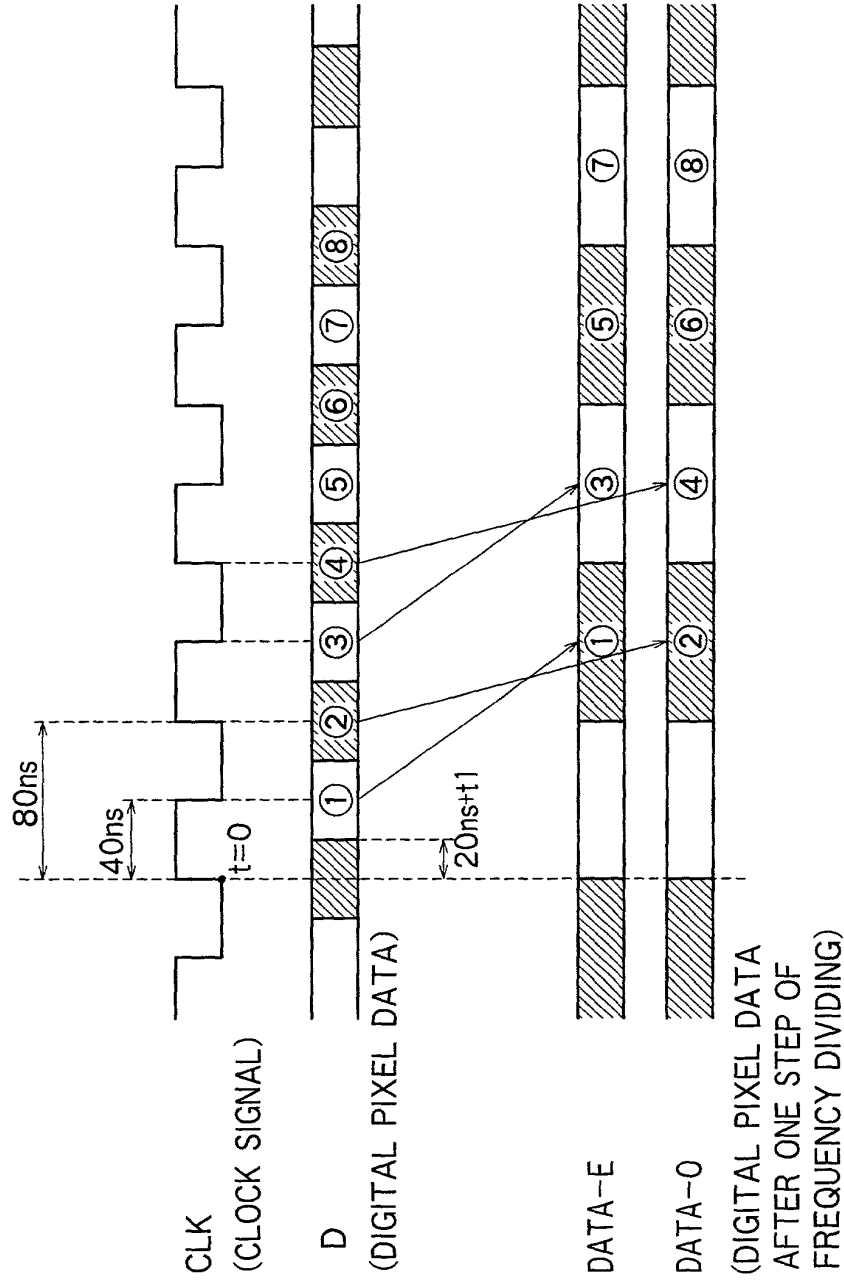


FIG. 13

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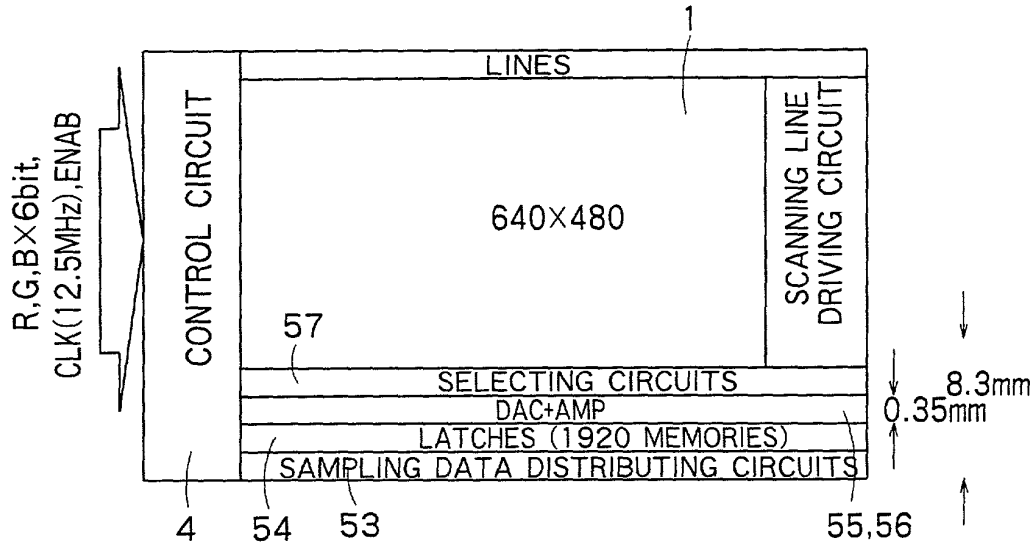


FIG. 14

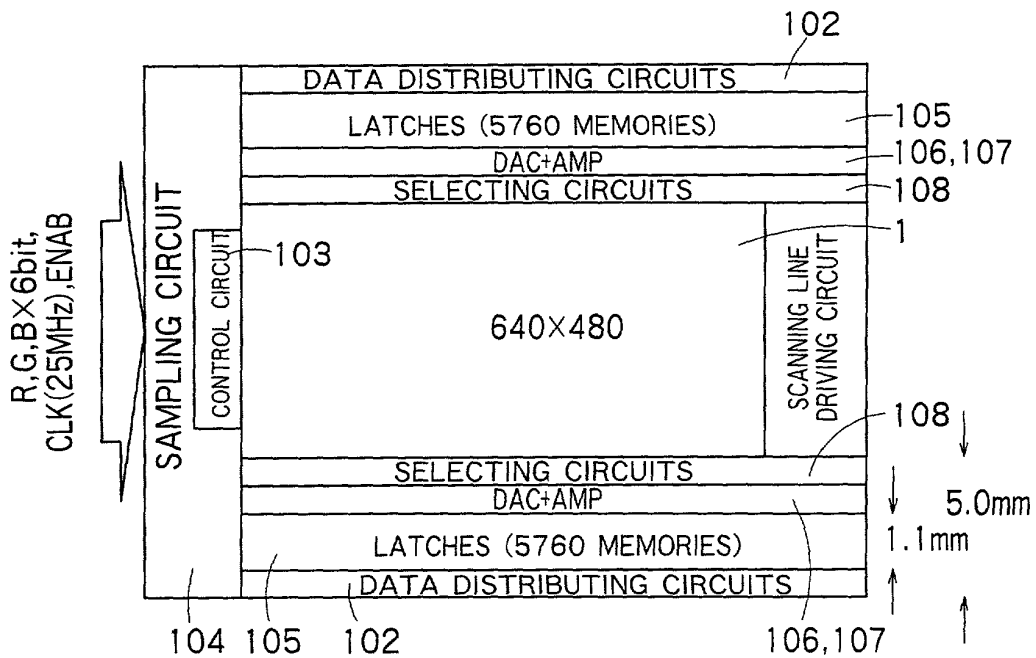


FIG. 15

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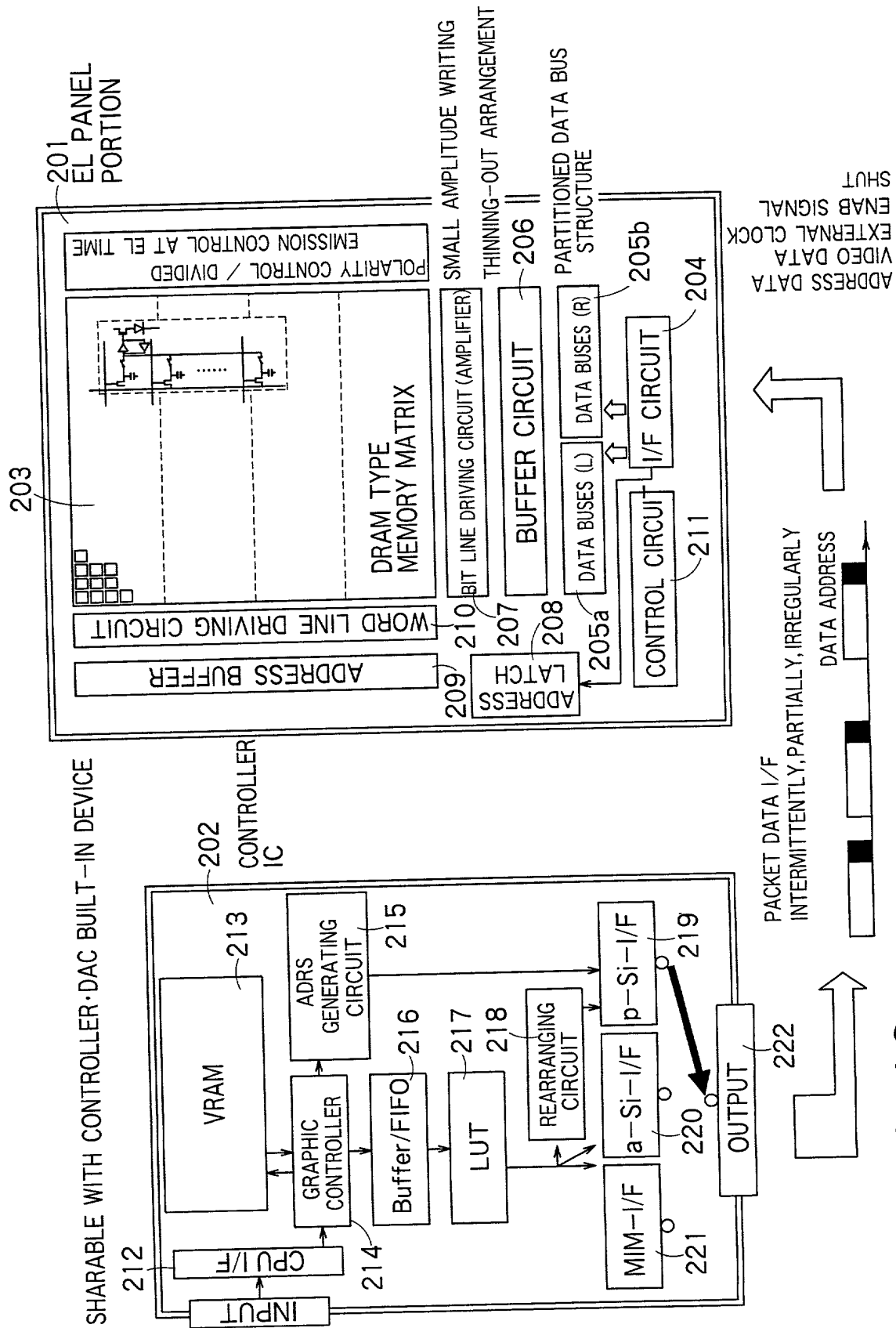


FIG. 16

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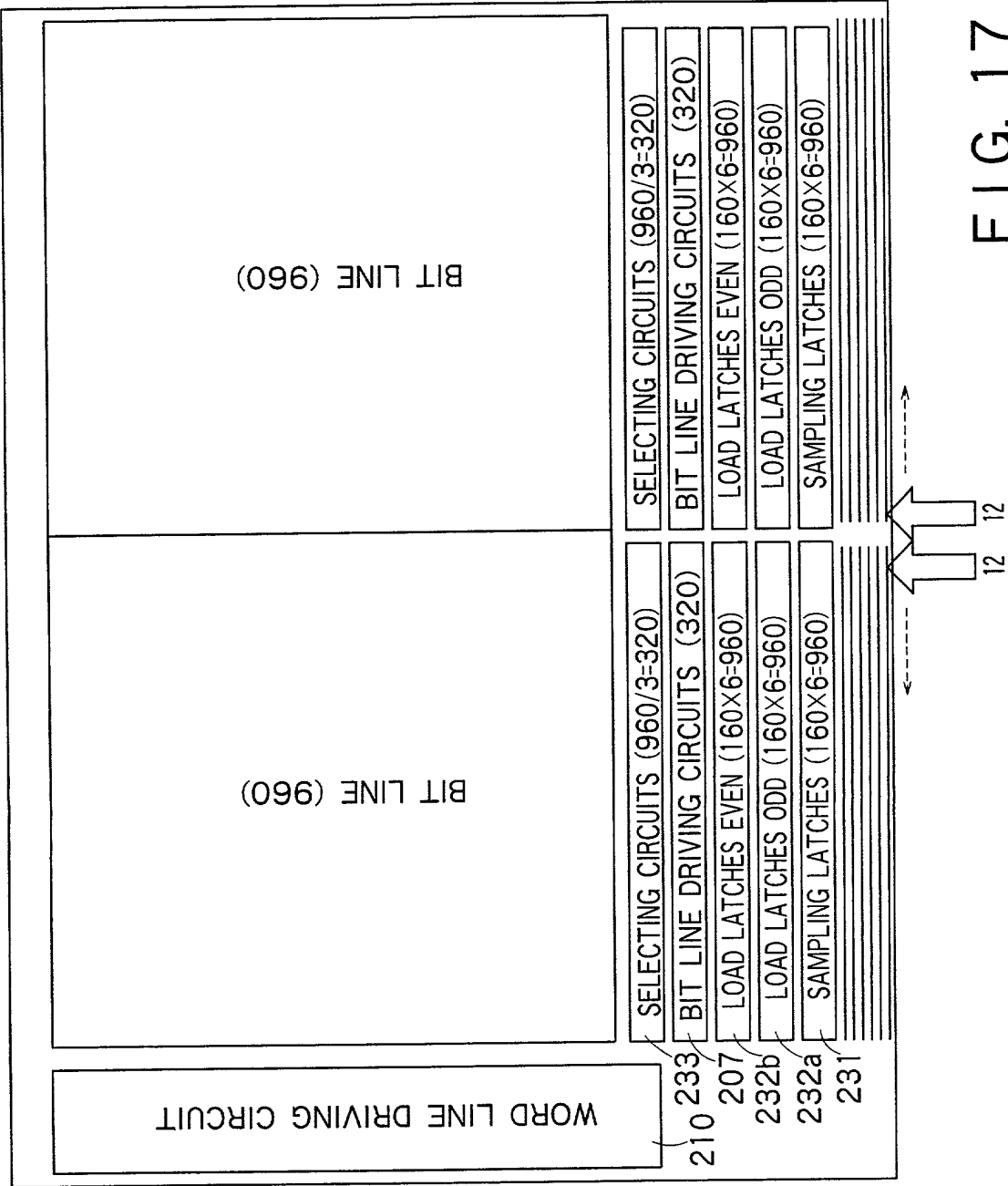


FIG. 17

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DATA-[5:0]R1 R5 R9 R13 ... R305R309R313R317BLK R2 R6 R10 R14 ... R306R310R314R318
DATA-[5:0]R3 R7 R11 R15 ... R307R311R315R319BLK R4 R8 R12 R16 ... R308R312R316R320
DATA-[5:0]R637R633R629R625 ... R333R329R325R321BLK R638R634R630R626 ... R334R330R326R322
DATA-[5:0]R639R635R631R627 ... R335R331R327R323BLK R640R636R632R628 ... R336R332R328R324

G1 G5 G9 G13 ... G305G309G313G317BLK G2 G6 G10 G14 ... G306G310G314G318
G3 G7 G11 G15 ... G307G311G315G319BLK G4 G8 G12 G16 ... G308G312G316G320
BLANKING G637G633G629G625 ... G333G329G325G321BLK G638G634G630G626 ... G334G330G326G322
PERIOD G639G635G631G627 ... G335G331G327G323BLK G640G636G632G628 ... G336G332G328G324

B1 B5 B9 B13 ... B305B309B313B317BLK B2 B6 B10 B14 ... B306B310B314B318
B3 B7 B11 B15 ... B307B311B315B319BLK B4 B8 B12 B16 ... B308B312B316B320
BLANKING B637B633B629B625 ... B333B329B325B321BLK B638B634B630B626 ... B334B330B326B322
PERIOD B639B635B631B627 ... B335B331B327B323BLK B640B636B632B628 ... B336B332B328B324

FIG. 18

480H _____ 481H _____ 494H _____ 1H _____ 2H _____ 3H _____

WITHIN 2-FRAME PERIOD AFTER

1000K 3600K 5400K

$\alpha_k = 0$ ck
T $\lambda = 0.50K$

The figure consists of two horizontal rows of rectangular boxes. The top row is labeled 'G' at its left end and contains four boxes. From left to right, the first box is labeled 'odd', the second 'even', the third 'even', and the fourth 'odd'. The bottom row is labeled 'B' at its left end and contains three boxes. From left to right, the first box is labeled 'even', the second 'odd', and the third 'odd'. There are vertical dashed lines separating the boxes in both rows.

	t2	t3	t4	t5	t6	t7	t8	t9	t10	t11	t12
1	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0							

[illegible]

FIG. 19

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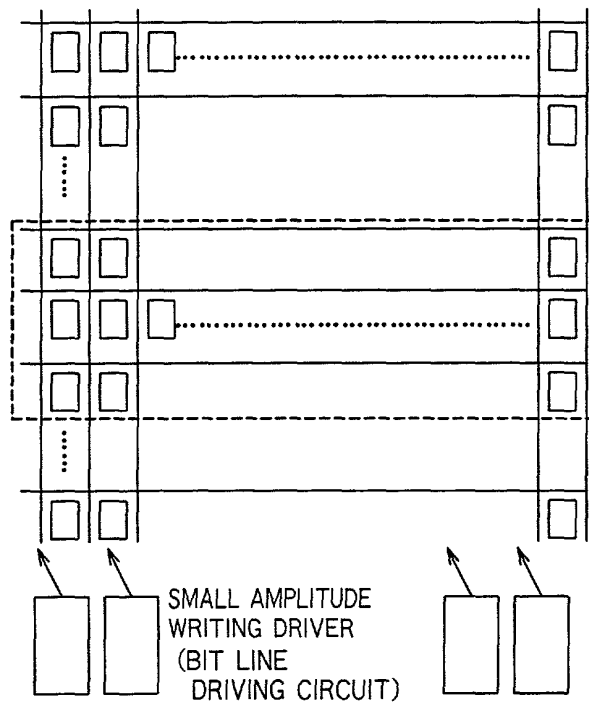


FIG. 20A

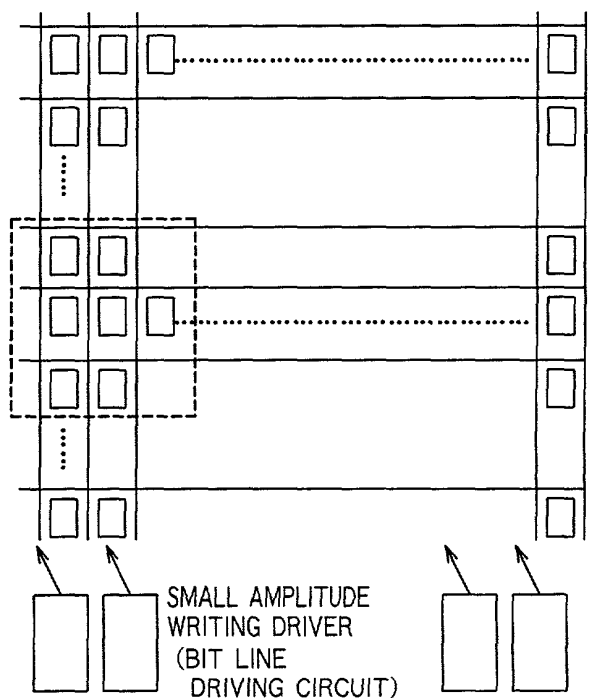


FIG. 20B

Pub. No. 00847400

DATA--a,b,c,d[5:0]

ENAB SHUT

HORIZONTAL TIMING

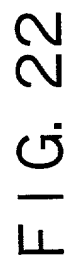
DATA
-a,b,c,d[5:0]

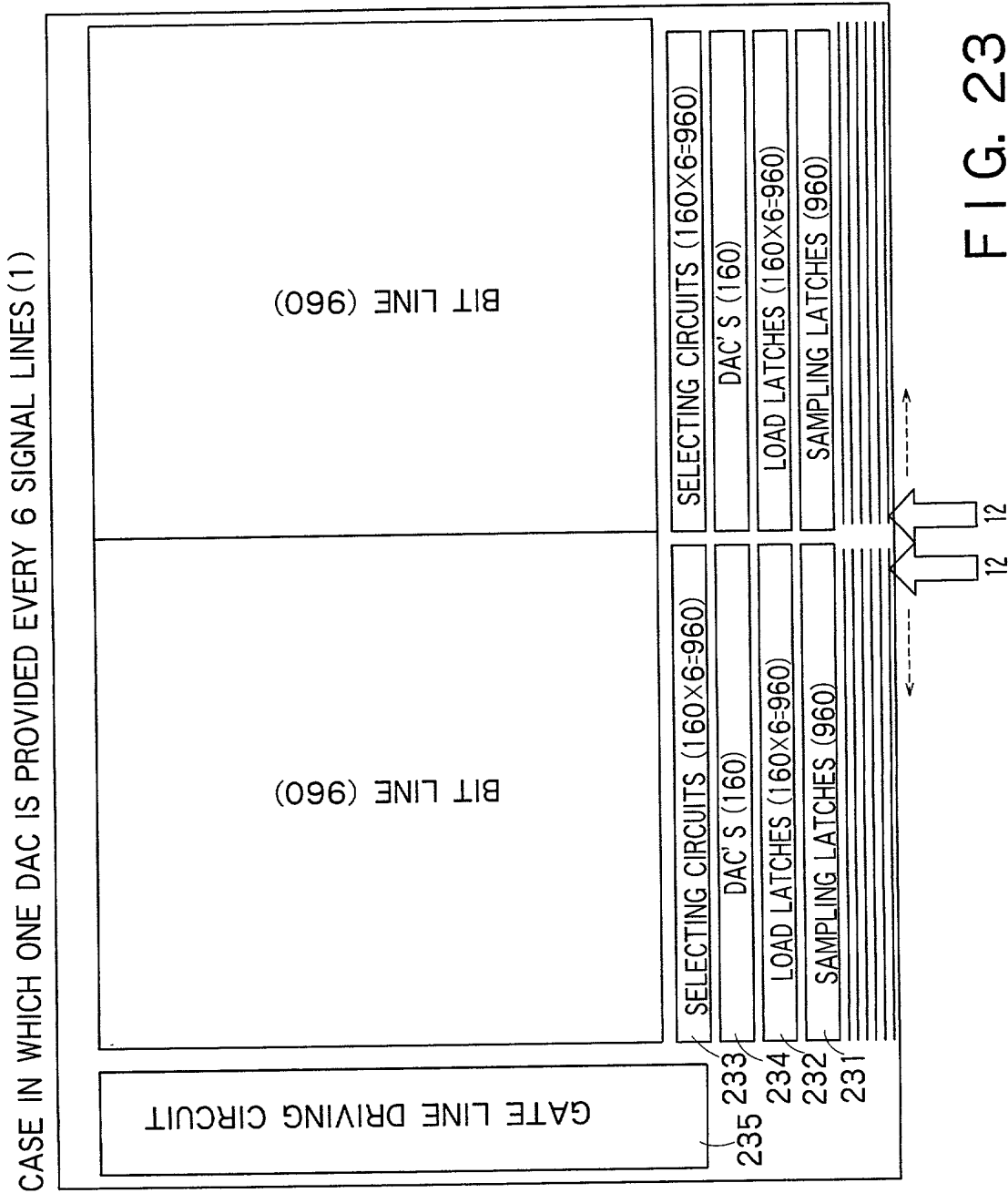
CLK./CLK(8MHz)

EMAB./EMAB



FIG. 21





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CASE IN WHICH ONE DAC IS PROVIDED EVERY 3 SIGNAL LINES (1)

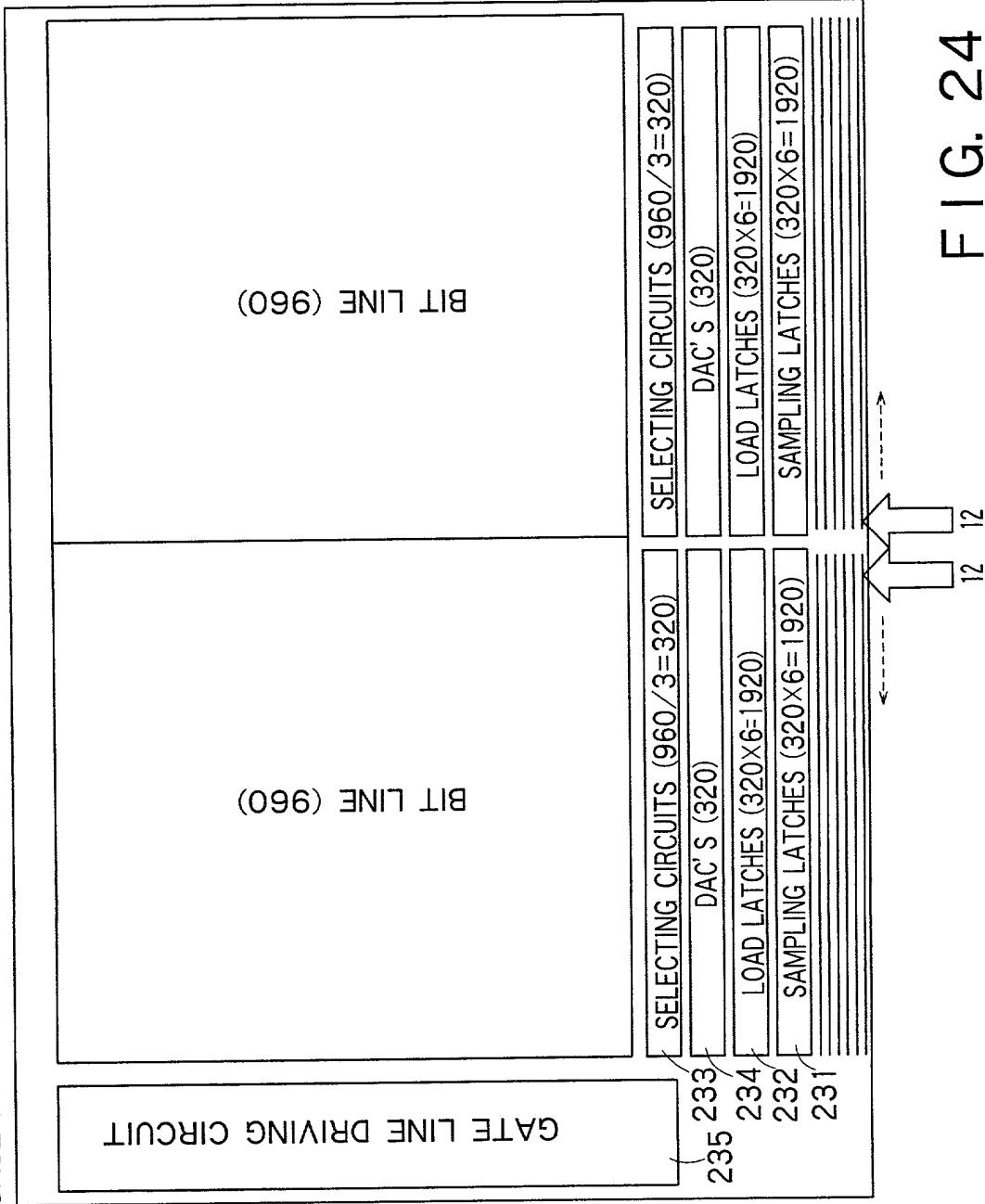


FIG. 24



F1G. 26

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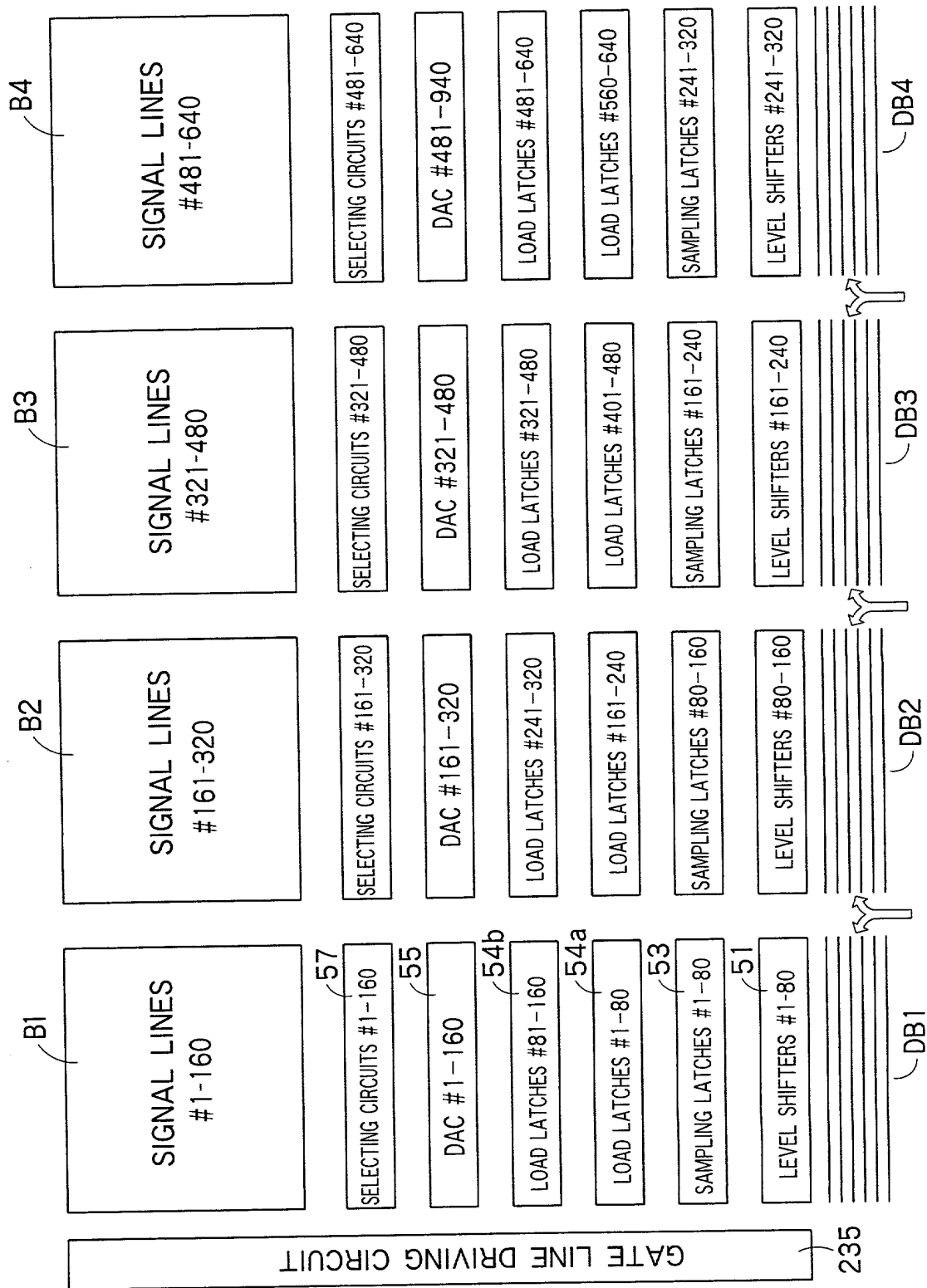


FIG. 27

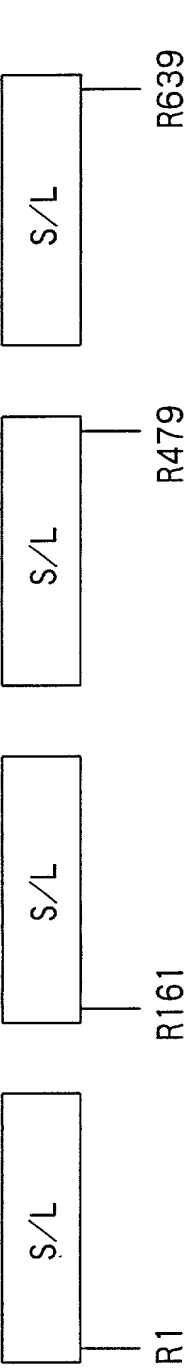


FIG. 28A

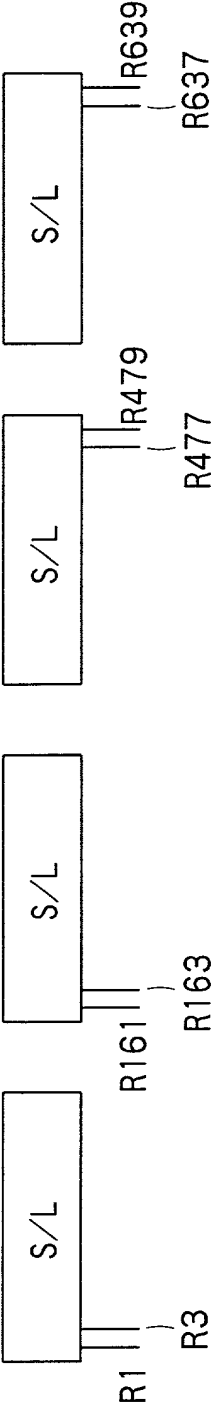


FIG. 28B

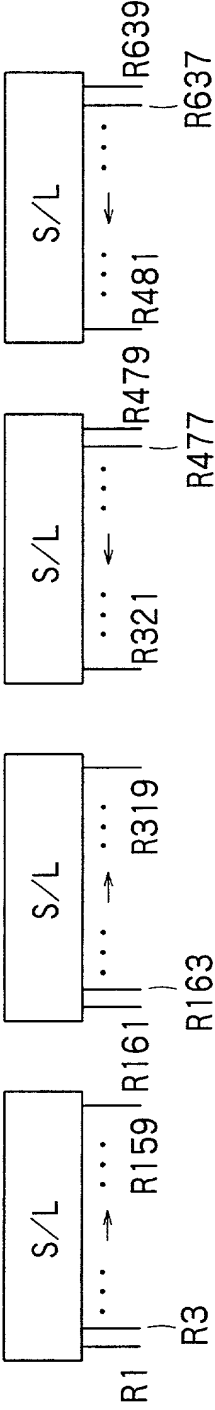


FIG. 28C



F1G. 29

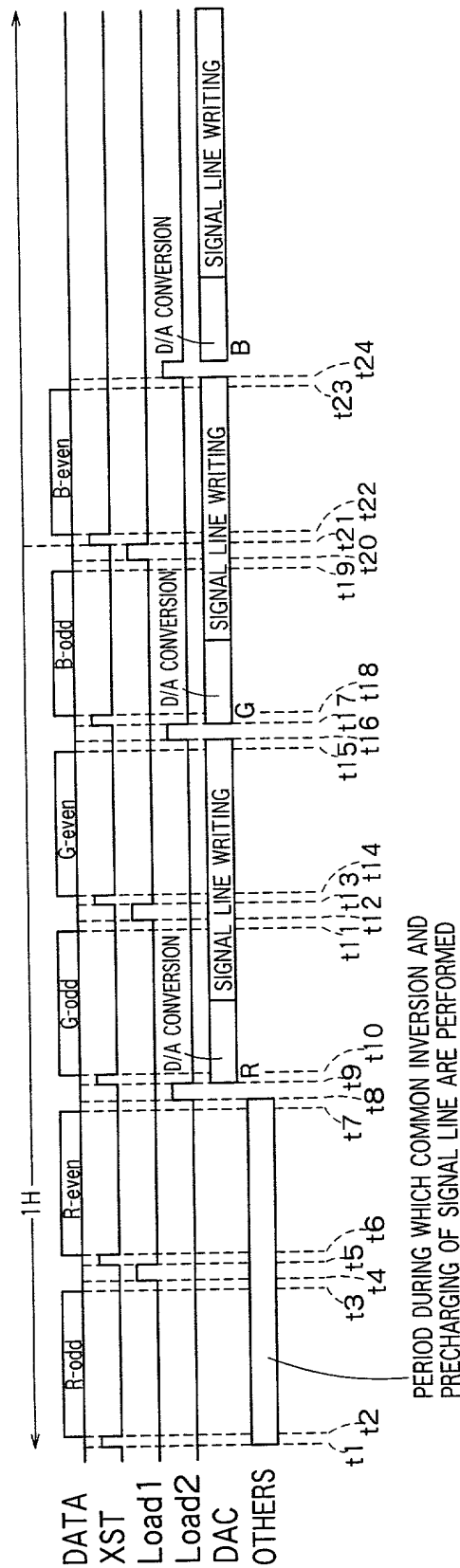


FIG. 30

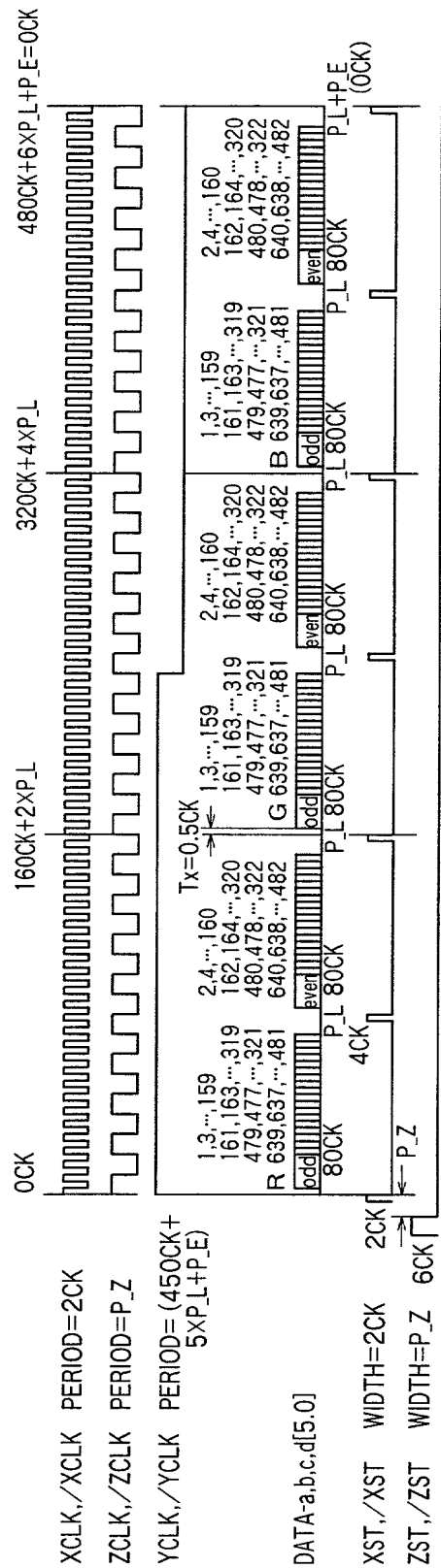


FIG. 31

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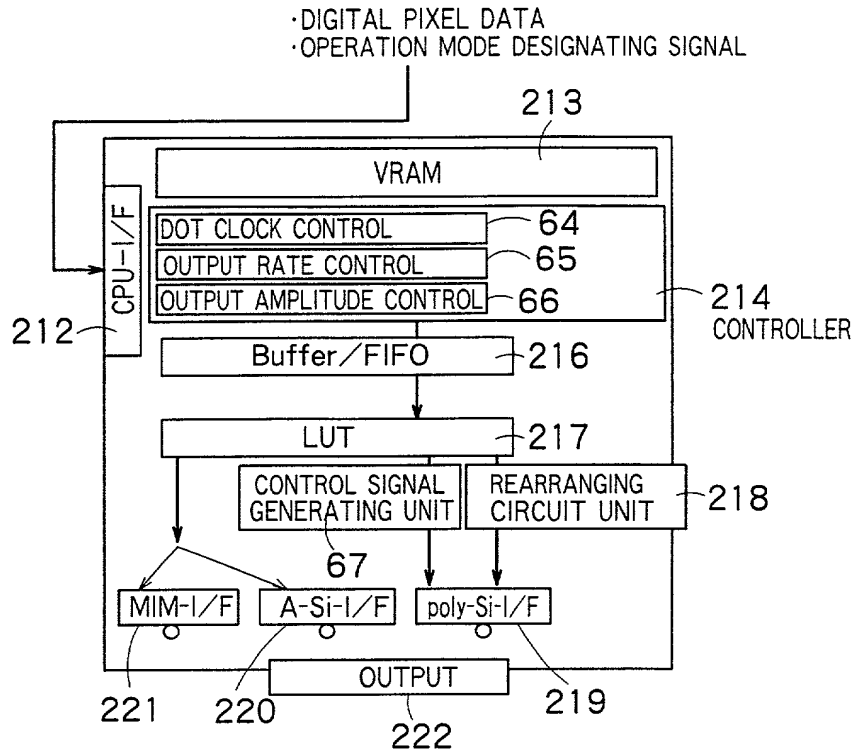


FIG. 32

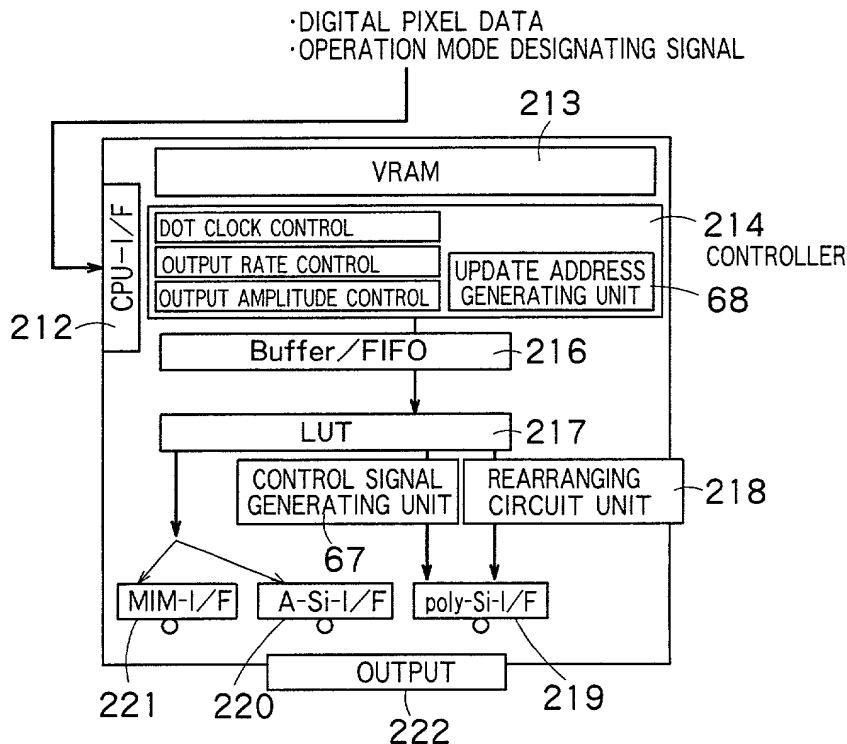


FIG. 33

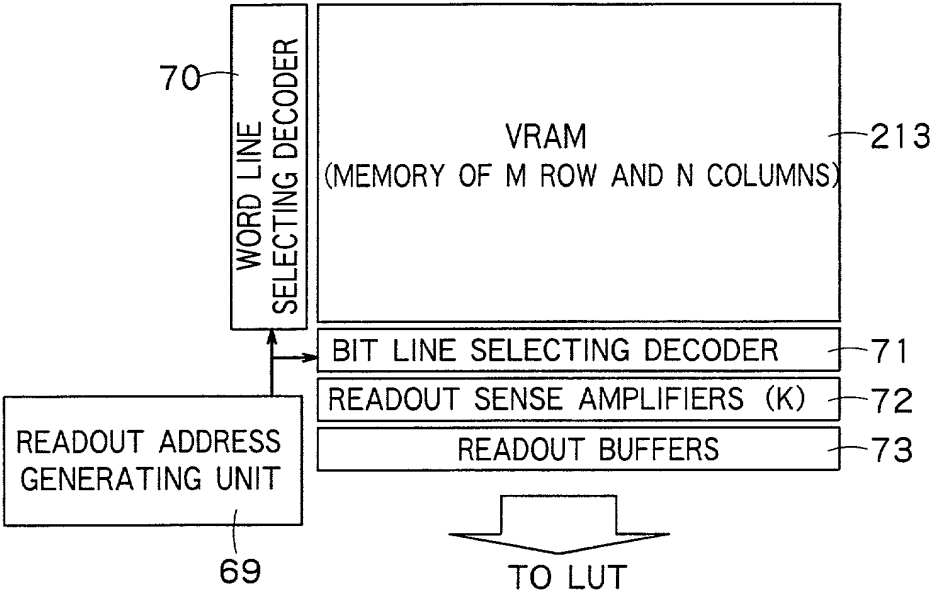


FIG. 34

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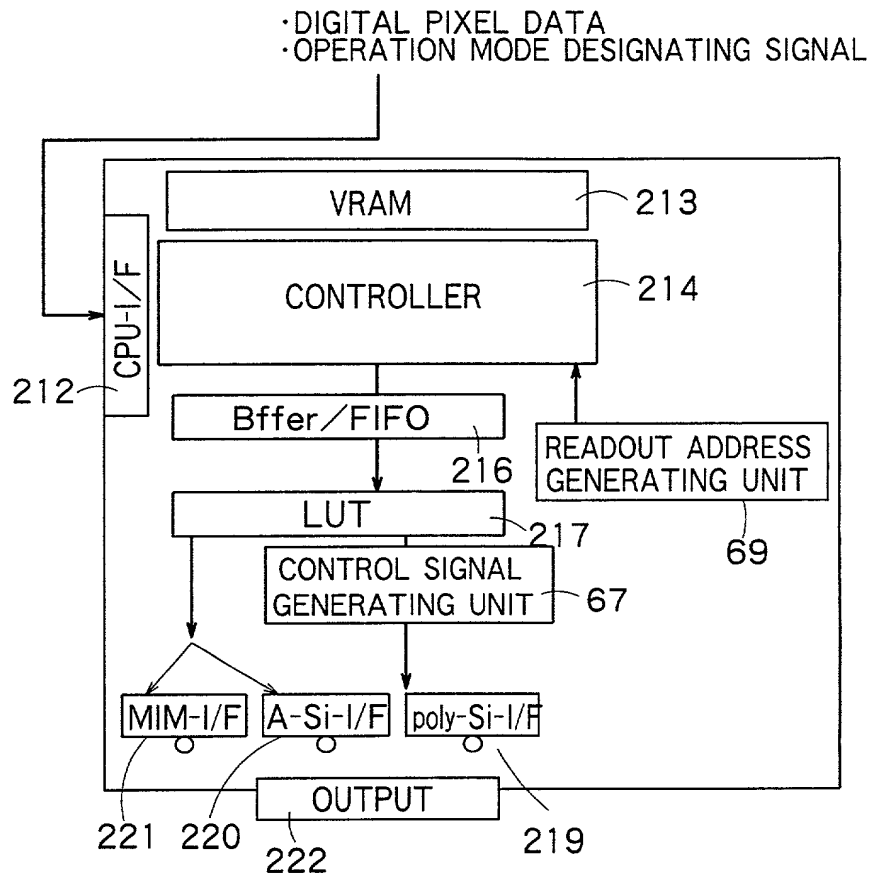


FIG. 35

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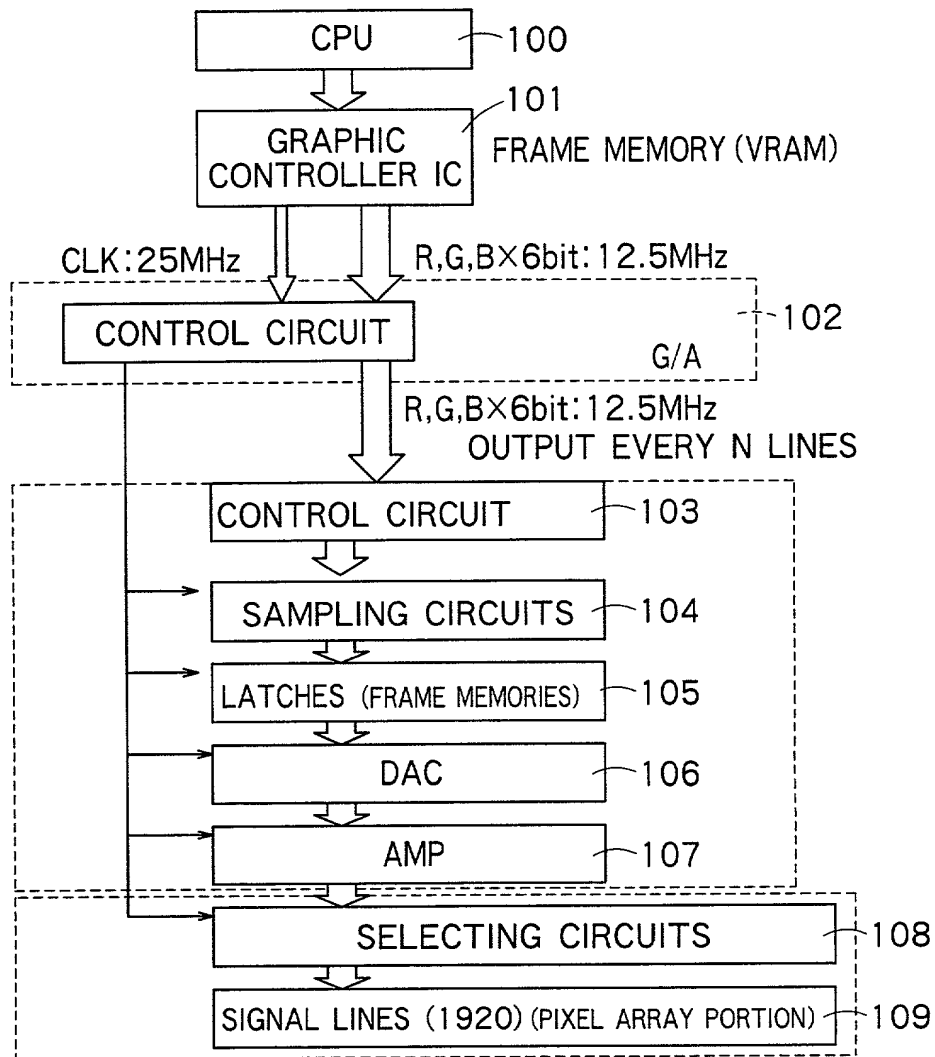


FIG. 36